

# 80 PLUS Verification and Testing Report

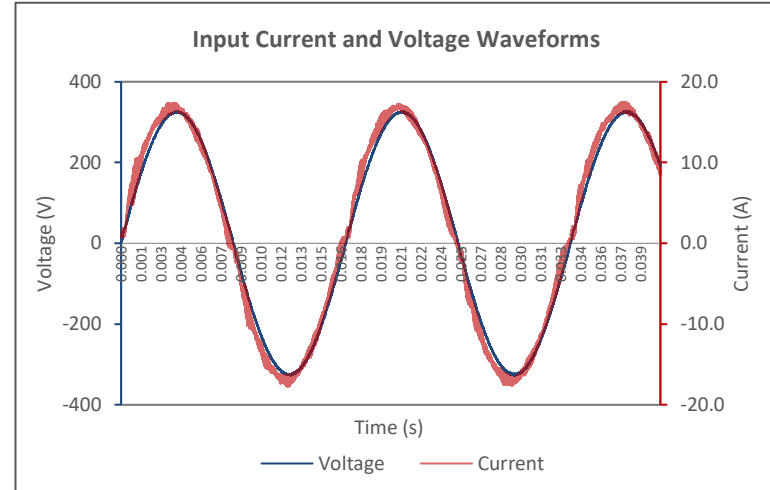
TYPICAL EFFICIENCY (50% Load):	96.40%
AVERAGE EFFICIENCY :	94.70%
80 PLUS COMPLIANT:	Titanium



ID Number	SO-2397.1
Manufacturer	Super Micro Computer Inc.
Model Number	PWS-5K26G-2R
Serial Number	N/A
Type	2U
Test Date	02/28/24

Rated Specifications	Value	Units
Input Voltage	200-240	Volts
Input Current	16-14.4 x2	Amps
Input Frequency	50-60	Hz
Rated Output Power	5,250	Watts

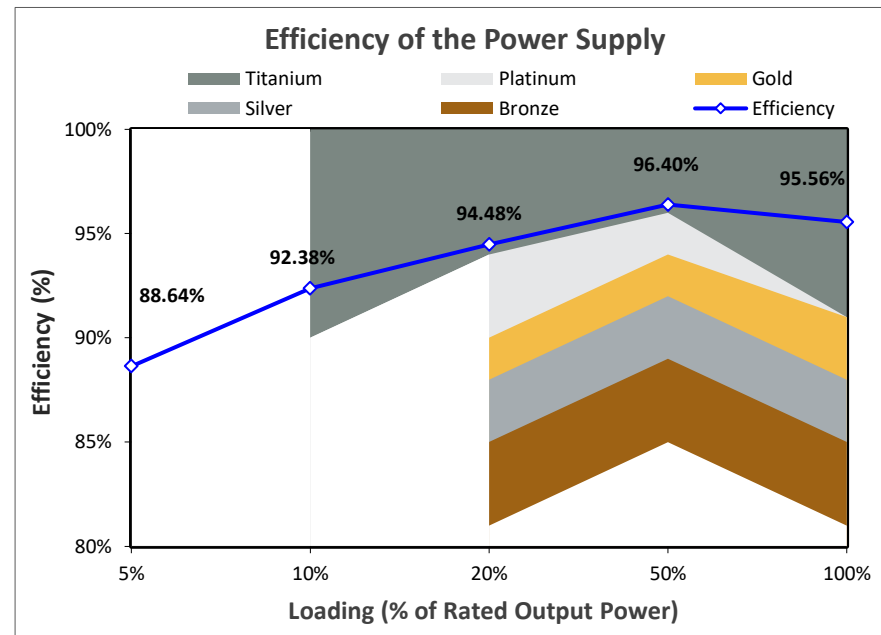
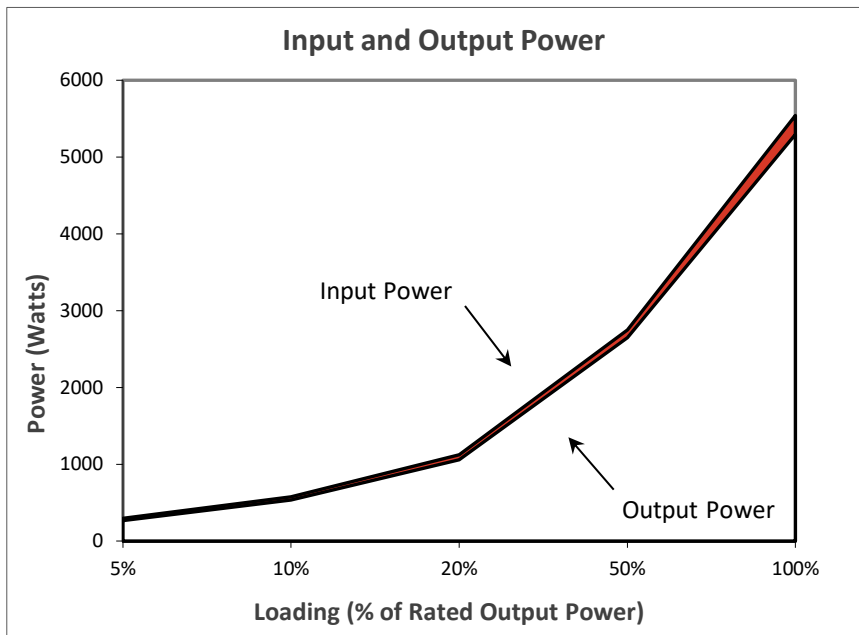
Note: All measurements were taken with input voltage at 230 V nominal and 60 Hz.



Input AC Current Waveform (ITHD = 2.9%, 50% Load)

I <sub>RMS</sub>	PF	I <sub>THD</sub> (%)	Load	Fraction of Load	Input Watts	External Fan (W)*	DC Terminal Voltage (V)/ DC Load Current (A)			Output Watts	Efficiency
							54V	12V	12Vsb		
0.513	0.1391	3.435	0%	No-Load	16.47	104.82	No-Load				
1.443	<b>0.8982</b>	12.155	5%	Minimum	298.05	103.83	54.54/4.38	12.14/1.89	12.1/0.18	264.19	88.64%
2.592	<b>0.9670</b>	8.828	10%	Low	576.47	103.79	54.53/8.84	12.14/3.79	12.09/0.36	532.53	92.38%
4.936	<b>0.9890</b>	4.561	20%	Light	1122.54	103.91	54.53/17.61	12.14/7.55	12.07/0.73	1060.63	94.48%
11.999	<b>0.9957</b>	2.901	50%	Typical	2747.47	103.00	54.53/43.97	12.13/18.89	12.01/1.81	2648.44	96.40%
24.113	<b>0.9992</b>	2.329	100%	Full	5541.34	105.79	54.47/88.01	12.12/37.79	11.9/3.63	5295.09	95.56%

\* Fan power is not included in the efficiency calculations, external fan voltage applied = 11.98Vdc



These tests were conducted by a third party independent testing firm on behalf of the 80 PLUS® Program. 80 PLUS is a certification program to promote highly-efficient power supplies (greater than 80% efficiency in the active mode) in technology applications. <http://www.80plus.org/>